

SEQUENCE LISTING

<110> Akzo Nobel, NV
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Boender, Pieter Jacob
Hellings, Jan Albert

<120> Hepatitis Y Virus

<130> 9250-37

<140> US 09/868,553

<141> 2001-06-18

<150> PCT/EP99/10179

<151> 1999-12-16

<150> EP98204313.5

<151> 1998-12-18

<150> EP99200167.7

<151> 1999-01-20

<160> 26

<170> PatentIn version 3.1

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<211> 304

<212> DNA

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atgtccagcg tggccaaagc cactgcccgg cgcgttggcc gactggacgc ccaggcgctg 180
caaagccaag gcgtgcagac gctgctcgag gcccaccgca actggagcaa gcccgagctg 240
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gatc 304

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caccgaccaa tccacccgca cccgtaccgg cgaagaactc gacgctgccc tcatacgacgc 180
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Ser Gln Ala Thr Ala Arg Arg Thr Tyr Ala Glu Arg Ile Arg Arg Arg
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Thr Ala Arg Pro Arg Gln Thr Ala Pro Val Arg Gln Ala Val Arg Gly
20 25 30

Val Gln Pro Arg Leu Tyr Arg His Val Gln Arg Gly Gln Ser His Cys
35 40 45

Pro Ala Arg Trp Pro Thr Gly Arg Pro Gly Ala Ala Lys Pro Arg Arg
50 55 60

Ala Asp Ala Ala Arg Gly Pro Pro Gln Leu Glu Gln Ala Arg Ala Val
65 70 75 80

Val Arg His Arg Ala Arg Arg Gln Gly Leu His Leu Arg Leu Leu Pro
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Asp Arg Thr Gly
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Asn Cys Thr Pro Ser Thr Asn Ser Ala Cys Pro Ala Ser Cys Pro Arg
20 25 30

Ser Ser Thr Ala Pro Ile Pro Ala Cys Pro Ala Trp Pro Lys Pro Leu
35 40 45

Pro Gly Ala Leu Ala Asp Trp Thr Pro Arg Arg Cys Lys Ala Lys Ala
50 55 60

Cys Arg Arg Cys Ser Arg Pro Thr Ala Thr Gly Ala Ser Pro Ser Cys
65 70 75 80

Gly Thr Pro Ser Ser Ala Pro Ala Arg Phe Thr Pro Thr Ile Thr Thr
85 90 95

Xaa Pro His Trp Ile
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Glu Leu His Ala Leu Asp Lys Gln Arg Leu Ser Gly Lys Leu Ser Glu
20 25 30

Glu Phe Asn Arg Ala Tyr Thr Gly Met Ser Ser Val Ala Lys Ala Thr
35 40 45

Ala Arg Arg Val Gly Arg Leu Asp Ala Gln Ala Leu Gln Ser Gln Gly
50 55 60

Val Gln Thr Leu Leu Glu Ala His Arg Asn Trp Ser Lys Pro Glu Leu
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Trp Tyr Ala Ile Glu Arg Ala Gly Lys Val Tyr Thr Tyr Asp Tyr Tyr
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Leu Thr Ala Leu Asp
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20 25 30

Arg Ala Ala Ser Ala Arg Leu Gly Phe Ala Ala Pro Gly Arg Pro Val
35 40 45

Gly Gln Arg Ala Gly Gln Trp Leu Trp Pro Arg Trp Thr Cys Arg Tyr
50 55 60

Arg Arg Gly xaa Thr Pro Arg Thr Ala Cys Arg Thr Gly Ala Val Cys
65 70 75 80

Arg Gly Arg Ala Val Arg Arg Arg Ile Arg Ser Ala Tyr Val Arg Arg
85 90 95

Ala Val Ala Cys Asp
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<210> 15

<211> 101

<212> PRT

<213> Unknown Organism

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Ile Gln Cys Gly Gln Val Val Ile Val Gly Val Asn Leu Ala Gly Ala
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Leu Asp Gly Val Pro Gln Leu Gly Leu Ala Pro Val Ala Val Gly Leu
20 25 30

Glu Gln Arg Leu His Ala Leu Ala Leu Gln Arg Leu Gly Val Gln Ser
35 40 45

Ala Asn Ala Pro Gly Ser Gly Phe Gly His Ala Gly His Ala Gly Ile
50 55 60

Gly Ala Val Glu Leu Leu Gly Gln Leu Ala Gly Gln Ala Leu Phe Val
65 70 75 80

Glu Gly Val Gln Phe Val Asp Glu Tyr Ala Gln Arg Thr Phe Val Gly
85 90 95

Gln Leu Leu Val Ile
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20 25 30

Ser Ser Val Cys Thr Pro Trp Leu Cys Ser Ala Trp Ala Ser Ser Arg
35 40 45

Pro Thr Arg Arg Ala Val Ala Leu Ala Thr Leu Asp Met Pro Val Xaa
50 55 60

Ala Arg Leu Asn Ser Ser Asp Ser Leu Pro Asp Arg Arg Cys Leu Ser
65 70 75 80

Arg Ala Cys Ser Ser Ser Thr Asn Thr Leu Ser Val Arg Ser Ser Gly
85 90 95

Ser Cys Leu Xaa Pro
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cgctggatg atcacaagca actgcccggac gaaaaaacc 90 tgcaaggcttt cgccagcgaa 180
ctgcattggcc ttaaccagca gcgcctgtcc ggcaagctct ccgaagaact caaccgcgcc 240
tataccggca tgtccagcgt ggtcaaagcc actgcccggc gcgttggccg actggacgcc 300
caggcgctgc aaaccaaggc gtgcggacgc tgctcgaggc ccaccgcaac tggagcaagc 360
ccgagctgtg gtacgc 376

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<211> 378

<212> DNA

<213> Unknown Organism

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acgctggat gatcacaagc aactgcccgg 90 caaaaaacc ctgcaggcttc tcgcccggcga 180

actgcatggc cttaaccagc aggcgcgtc cggcaagctc tccgaagaac tcaaccgcgc 240
ctataccggc atgtccagcg tggtaaaagc cactgcccgg cgcgttggcc gactggacgc 300
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ctgattcccc tgaccctggc cgagtc当地aaac gctggatga tcacaagcaa ctgccc当地acg 180
aaaaaaaaaccct gcaggtcttc gccagc当地aaac tacntncctt aaccagc当地c gcctgtccgg 240
caactctccg aagaactcaa ccacgc当地tat accggcatat cctgc当地gtc当地tcaaatttact 300
gccc当地ggcgcg ttggccgact ggacgccc当地ag gc当地ctgc当地aaa gccaaggc当地gt gc当地agacgctg 360
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ggcgcgttgg ccgactggac gcccaggcgc tgcaaagcca aggcggtcag acgctgctcg 180
aggcccaccc caactggagc aagcccggc tggttacgc catcgagcgc gccggcaagg 240
tttacaccta cgattactac ctgaccggac tgcatctcga gatctatact gactaatccc 300
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tannnn 366

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caccttgtca tccctgacca ccagcgaagc cggccaagcc gccagcgccc gtcgcaagaa 180
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aaccctgcag gtcttcgcca gcgaactgca tggccttaac cagcagcgcc tgtccggcaa 420
gctctccgaa gaactcaacc gcgcctatac cggcatgtcc agcgtggtca aagccactgc 480
ccggcgcgtt ggccgactgg acgcccaggc gctgcaaagc caaggcgtgc agacgctgct 540
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gcgtattcgt cgacgaactg cacgcctcg acaaacagcg cctgtccggc aagctgtccg 360
aggagttcaa ccgcgcctat accggcatgt ccagcgtggt caaagccact gcccggcgcg 420
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<210> 23

<211> 415

<212> DNA

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tccaggtgcg ccaggacacg cagatctatc tgcagctgta ttccaagacc ctgaacatgg	360
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<222> (452)..(452)

<223> n represents any nucleotide

<400> 24

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ggcgcgttgg ccgactggac gcccaggcgc tgcaaagcca aggctgtcag acgctgctcg 180
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tttacaccta cgattactac ctgaccgcac tggatctgga gatgcacccccc gacgaggcga 300
tccagacctg cccgggcggc cgctcgaccc ctatagttagt gatccgttataaattcactg 360
ccgggagcat ggcacgtcgg gccaatacg ccctatagtg agtcgttataaattcactg 420
gccgtcgaaa tacaangtng tgaatggnaa ancctggcgt tacccaaactt aatcgcccttg 480
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ggcgcgttgg ccgagtggac gcccaggcgc tgcaaagcca aggctgtcag agcgtcgctc 180
gaggcccaccc gcaactggag caagcccggc tggttacgc ccatcgagcgc gcccggcaag 240
tttacaccta aggattacta ctgaccgcac tggatctgg agatgcacccccc cgacgaggc 300
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<213> Unknown Organism

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atgtccagcg tggccaaaggc cactgcccgg cgcgttggcc gactggacgc ccaggcgctg 180
caaagccaag gcgtgcagac gctgctcgag gcccaccgcac actggagcaa gcccggactg 240
tggtagccca tcgagcgcgc cggcaagggtt tacacctacg attactacct gaccgcactg 300
gatctggaga tgcaccccgaa cgagggcatc caggcgcgcaggacacgcac gatctacctg 360

cccgccg

368